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Application No. 10/541,070

Amendments to the Claims:

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The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An electrochemical capacitor comprising:
an anode and a cathode opposing each other;
an insulating separator disposed between the anode and cathode;
an electrolytic solution; and
a casing accommodating the anode, cathode, separator, and electrolytic solution in a closed state;
wherein the anode contains a substantially spherical carbon material having an electronic conductivity as a constituent material; and
wherein the cathode contains a fibrous carbon material having an electronic conductivity as a constituent material.
2. (Original) An electrochemical capacitor according to claim 1, wherein the substantially spherical carbon material has an aspect ratio of 1 to 1.5.
3. (Currently Amended) An electrochemical capacitor according to claim 1, An electrochemical capacitor comprising:
an anode and a cathode opposing each other;
an insulating separator disposed between the anode and cathode;
an electrolytic solution; and
a casing accommodating the anode, cathode, separator, and electrolytic solution in a closed state;
wherein the anode contains a substantially spherical carbon material having an electronic conductivity as a constituent material;

wherein the cathode contains a fibrous carbon material having an electronic conductivity as a constituent material; and

wherein the fibrous carbon material has an aspect ratio of 2 to 8.

4. (Previously Presented) An electrochemical capacitor according to claim 1, wherein the separator comprises an insulating porous body;
wherein the anode includes a porous layer containing the substantially spherical carbon material;
wherein the cathode includes a porous layer containing the fibrous carbon material;
and
wherein the electrolytic solution is at least partly contained in the anode, cathode, and separator.

5. (Currently Amended) ~~An electrochemical capacitor according to claim 1, An~~
electrochemical capacitor comprising:

an anode and a cathode opposing each other;

an insulating separator disposed between the anode and cathode;

an electrolytic solution; and

a casing accommodating the anode, cathode, separator, and electrolytic solution in a closed state;

wherein the anode contains a substantially spherical carbon material having an electronic conductivity as a constituent material;

wherein the cathode contains a fibrous carbon material having an electronic conductivity as a constituent material;

wherein each of the anode, cathode, and separator has a planar form;

wherein the casing is formed by using at least a pair of composite package films opposing each other; and

wherein the composite package film comprises at least an innermost layer made of a synthetic resin in contact with the electrolytic solution, and a metal layer disposed on the upper side of the innermost layer.

6. (Original) An electrochemical capacitor according to claim 4, wherein the content of the substantially spherical carbon material in the porous layer contained in the anode is 75 to 90 mass% based on the total mass of the porous layer.

7. (Previously Presented) An electrochemical capacitor according to claim 1, wherein the substantially spherical carbon material has a specific surface area of 1000 to 3000 m²/g.

8. (Original) An electrochemical capacitor according to claim 4, wherein the content of the fibrous carbon material in the porous layer contained in the cathode is 75 to 90 mass% based on the total mass of the porous layer.

9. (Currently Amended) ~~An electrochemical capacitor according to claim 1, An~~
electrochemical capacitor comprising:

an anode and a cathode opposing each other;

an insulating separator disposed between the anode and cathode;

an electrolytic solution; and

a casing accommodating the anode, cathode, separator, and electrolytic solution in a closed state;

wherein the anode contains a substantially spherical carbon material having an electronic conductivity as a constituent material;

wherein the cathode contains a fibrous carbon material having an electronic conductivity as a constituent material; and

wherein the fibrous carbon material has a specific surface area of 1000 to 3000 m²/g.

10. (Previously Presented) An electrochemical capacitor according to claim 4, wherein the ratio of void volume in the porous body to a porous body volume of the porous body contained in the separator is 50% to 75%.

11. (Previously Presented) An electrochemical capacitor according to claim 1, wherein the electrolytic solution is an electrolytic solution using an organic solvent.

12. (Previously Presented) An electrochemical capacitor comprising:

an anode and a cathode opposing each other;

an insulating separator disposed between the anode and cathode;

an electrolytic solution; and

a casing accommodating the anode, cathode, separator, and electrolytic solution in a closed state;

wherein the anode contains a substantially spherical carbon material as a constituent material, said substantially spherical carbon material having an electronic conductivity and an aspect ratio of 1 to 1.5; and

wherein the cathode contains a fibrous carbon material as a constituent material, said fibrous carbon material having an electronic conductivity and an aspect ratio of 2 to 8.